

1 ABSTRACT OF THE INVENTION

2 An extruded wire of sodium metal is cold rolled into a thin foil  
3 and passed through a misting chamber coating both surfaces with a  
4 depolarizing agent and subsequently encased in an aluminized polymer  
5 membrane forming a consumable electrode for second generation fuel  
6 cells. In an alternate method of construction a polymer bead chain is  
7 attached at one edge of the electrode to facilitate its travel through the  
8 chemically reacting electrolyte.  
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